



UltraATA 133 PCI RAID

Quick Installation Guide

Introducing the *UltraATA 133 PCI RAID*

The *UltraATA 133 PCI RAID* is a ultra high-speed dual channel Ultra ATA / 133 controller board for use in Pentium class computers. It achieves burst data transfer rates up to 133MB/sec and supports drive capacities greater than 137GB. It's enhanced BIOS auto-detects device types and fine tunes to the best performance for each connected hard drive.

Features and Benefits

- Compliant with Ultra ATA / 133 specifications and PCI v2.2 / 2.1 Plug-n-Play
- Provides two independent Ultra ATA channels (built-in 128-byte FIFOs per channel) for faster data transfer
- Supports Ultra DMA 0, 1, 2, 3, 4, 5, 6 and Multi-word DMA 0, 1, 2
- Breaks the 137GB barrier! Supports hard drives larger than 137GB
- Coexists with on-board IDE controller
- Supports RAID 0 (striping), RAID 1 (mirroring) and RAID 0+1 (mirror+striping)
- CRC (Cyclical Redundancy Check) error-checking provides data verification and achieves flawless data transfer
- Flash BIOS for easy upgrade
- Full ACPI power management support
- Works with various brands of Ultra ATA 133 / 100 / 66 / 33 hard disk drives

System Requirements

- Pentium-class computer with one available PCI slot
- Windows 98 or later

Package Contents

- *UltraATA 133 PCI RAID* board
- Two 40-pin / 80-wire Ultra ATA cables
- Two power supply "Y" split cables
- One driver diskette
- This quick installation guide
- One 5-year warranty card

Hardware Installation

General instructions for installing the card are provided below. If needed, please refer to your computer's reference manual for more information.

Caution: Static Electricity Discharge may permanently damage your system. To avoid possible static electricity discharge during installation, please follow the guidelines below:

- Discharge any static electricity build up in your body by touching a large grounded metal surface or the computer's case (if plugged in), for a few seconds.
 - During installation avoid any contact with internal parts. Handle cards only by their external edges.
1. Turn OFF the power to your computer and any other connected peripheral devices.
 2. Unplug the power cord from the back of the computer.
 3. Open your computer's cover.
 4. Remove the slot bracket from an available PCI slot.
 5. To install the card, carefully align the card's bus connector with the selected PCI slot on the motherboard. Push the board down firmly, but gently, until it is well seated.
 6. Replace the slot bracket's holding screw to secure the card.
 7. Close your computer's cover and reconnect the power cord.

Note: Hold the board by its external edges only. Try to avoid touching the components, connectors or pins.

Device Connection

The *UltraATA 133 PCI RAID* is a dual channel Ultra ATA /133 controller that adds RAID support for up to four IDE hard drives.

In order to achieve high-speed data transfer, a 40-pin /80-wire Ultra ATA ribbon cable is recommended. Also, do not mix Ultra ATA /133 hard drives with slower IDE hard drives on the same channel.

1. Install hard disk drive(s) in chassis.
2. Attach one connector on the long end of the Ultra ATA ribbon cable to the board's **IDE** connector and the other connector(s) to your hard disk drive(s). Make sure pin 1 on the cable (indicated by the colored stripe) matches pin 1 on the board's **IDE** connector and your hard disk drive(s).
3. When two hard disk drives are installed on the same **IDE** channel, make sure one drive is set up as *Master* and the other as *Slave*. This rule applies to both **IDE** channels.
4. The Ultra ATA ribbon cable has two connectors. If you install only one drive, connect it to the end connector of the cable. On the other hand, if you install two drives, connect the *master* drive to the end connector of the cable and the *slave* drive in the middle connector.

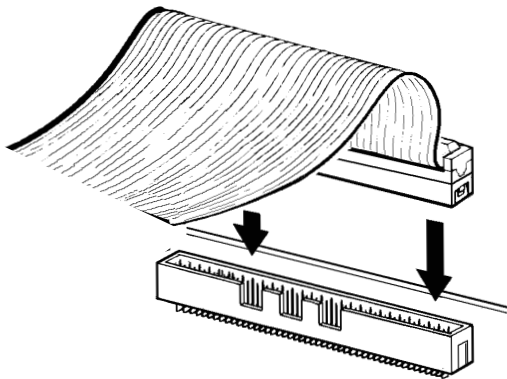


Figure 1. Connecting the cable

BIOS Configuration

The *UltraATA 133 PCI RAID BIOS* will appear everytime your system starts up. If the bios doesn't show, please try your controller in another PCI slot. During this **(Post)** process, the bios will detect and indicate the devices attached to it.

RAID

The *UltraATA 133 PCI RAID* supports RAID 0 (Striping), RAID 1 (Mirroring) and RAID 0+1 (Striping+Mirroring). Refer to page 4 for RAID 0 configuration, RAID 1 configuration starts on page 6 and RAID 0+1 configuration starts on page 9.

RAID Functions

- **Stripe Size:** Choose the best stripe size for your system, there are seven options; 1K, 2K, 4K, 8K, 16K, 32K, and 64K.
- **Build Mirror Disk:** Use this function to make an exact duplicate of your existing hard drive to complete a mirror set.
- **Quick Erase Disk:** Erases the entire content of a hard drive. Please beware that all information on the disk will be completely erased.
- **Delete Array_0** and **Delete Array_1:** Use this function to delete the failed mirror array. Then reset the RAID mode.

RAID Configuration

RAID 0 (Stripe)

Striping is a performance oriented, non-redundant data mapping technique. It does not provide fault tolerance. Data is spread across all disks in the stripe set allowing multiple I/O operations enhancing performance by taking advantage of today bus mastering technology. The drawback is when one disk fails the whole group fails. Two to four blank hard drives are required for striping.

It is recommended to use identical hard drives for all RAID configurations, however it's also possible to combine hard drives of different sizes and makes. In a stripe set, when combining hard drives of different sizes the total stripe size will be the sum of the smallest hard drive.

Raid 0 Setup Modes

Stripe (4 Drives): Set up 3 or 4 hard drives into a single Stripe set.

Stripe * Stripe: Set up one or two independent Stripe sets. Connect the drive pair to separate IDE channels.

Single Stripe Set Setup

With two hard drives attached:

1. Install the *UltraATA 133 PCI RAID*, attach one hard drive to **IDE1** and the other hard drive to **IDE2**. Make sure both drives are set up as **Master**.
2. Start the computer. When prompted by the RAID BIOS, press **F1** to enter the raid bios setup.
3. Select **Set RAID Mode**, press **Enter**.
4. Select **Stripe * Stripe**, then press **Enter**.
5. Select the stripe size, then press **Enter**. If you don't have a size preference, accept the default setting.
6. Press **Y** to save your settings.
7. **Do you want to erase disk** window appears. Press **Y**, select disk and press **Enter**. Press **Y** to confirm. Press **ESC** when finished to reboot the computer.
8. Continue with conventional **Fdisk** and **Format** steps as if you are installing a conventional hard drive.
9. Your RAID configuration is complete. Please proceed to **Software Installation** section.

With three or four hard drives attached:

1. Install the *UltraATA 133 PCI RAID* and attach your hard drives. Follow directions on page 3, **Device Connections**, to connect your hard drives.
2. Start the computer. When prompted by the RAID BIOS, press **F1** to enter the raid bios setup.
3. Select **Set RAID Mode**, press **Enter**.
4. Select **Stripe (4 Drives)**, then press **Enter**.
5. Select the stripe size, then press **Enter**. If you don't have a size preference, accept the default setting.

6. Press **Y** to save your settings.
7. **Do you want to erase disk** window appears. Press **Y**, select disk and press **Enter**. Press **Y** to confirm. Press **ESC** when finished to reboot the computer.
8. Continue with conventional **Fdisk** and **Format** steps as if you are installing a conventional hard drive.
9. Your RAID configuration is complete. Please proceed to **Software Installation** section.

Dual Stripe Set Setup

With two or four hard drives attached:

1. Install the *UltraATA 133 PCI RAID* and attach your hard drives. Follow directions on page 3, **Device Connections**, to connect your hard drives.
2. Start the computer. When prompted by the RAID BIOS, press **F1** to enter the raid bios setup.
3. Select **Set RAID Mode**, press **Enter**.
4. Select **Stripe * Stripe**, then press **Enter**.
5. Select the stripe size, then press **Enter**.
6. Press **Y** to save your settings.
7. **Do you want to erase disk** window appears. Press **Y**, select disk and press **Enter**. Press **Y** to confirm. Press **ESC** when finished to reboot the computer.
8. Continue with conventional **Fdisk** and **Format** steps as if you are installing a conventional hard drive.
9. Your RAID configuration is complete. Please proceed to **Software Installation** section.

RAID 1 (Mirror)

Mirroring provides fault tolerance by making an exact duplicate of existing disks. The mirrored disk can then take over if the source disk fails. The mirror approach provides excellent fault tolerance to protect your valuable data. Two disks are required for one mirror set and four hard disks are required for two mirror sets.

It is recommended to use identical hard drives for all RAID

configurations, however it's also possible to combine hard drives of different sizes and makes. In a mirror set, when combining hard drives of different sizes the total mirror set size will be the size of the smallest hard drive.

Raid 1 (Mirror) Setup Mode

Mirror * Mirror: Set up two independent Mirror sets. Connect the drive pair to separate IDE channels then follow **Device Connection** for correct setup. The two hard drives set up as master is the **Master mirror set**. The hard drives set up as slave become the **Slave mirror set**. The **Master mirror set** is bootable.

Raid 1 (Mirror) Setup

With two or four blank hard drives attached:

1. Install the *UltraATA 133 PCI RAID* and attach your hard drives.
 - a. For two blank hard drives: Attach one hard drive to **IDE1** and the other hard drive to **IDE2**. Make sure both drives are set up as **Master**.
 - b. For four blank hard drives: Follow directions on page 3, **Device Connections**, to connect your hard drives.
2. Start the computer. When prompted by the RAID BIOS, press **F1** to enter the raid bios setup.
3. Select **Set RAID Mode**, press **Enter**.
4. Select **Mirror * Mirror**, then press **Enter**.
5. Press **Y** to save your settings.
6. **Do you want to erase disk** window appears. Press **Y**, select disk and press **Enter**. Press **Y** to confirm. Press **ESC** when finished to reboot the computer.
7. Continue with conventional **Fdisk** and **Format** steps as if you are installing a conventional hard drive.
8. Your RAID configuration is complete. Please proceed to **Software Installation** section.

Mirroring an Existing Hard Drive

1. Install the *UltraATA 133 PCI RAID* and attach your hard drives.
 - a. Mirroring one existing hard drive: Attach your existing

(source) hard drive to **IDE1**, then attach your blank hard drive to **IDE2**. Make sure both drives are attached to the end connector of the Ultra ATA cable and set up as **Master**.

- b. Mirroring two existing hard drives: Attach both existing (source) hard drives to **IDE1**, then set the hard drive attached to the end connector of the Ultra ATA cable to **Master** and the hard drive attached to the middle connector of the Ultra ATA cable to **Slave**. The same rule applies to the two blank hard drives attached to **IDE2**.

Note: Your blank hard drive(s) must be of equal or larger capacity to your existing (source) hard drive(s).

2. Start the computer. When prompted by the RAID BIOS, press **F1** to enter the raid bios setup.
3. Select **Set RAID Mode**, press **Enter**.
4. Select the mirror mode, press **Enter**.
5. Press **Y** to save your settings.
6. Press **N** to decline **Erase Disk**. The system will restart.
7. Press **F1** when prompted to enter the RAID BIOS setup.
8. Select **Build Mirror Disk**, press **Enter**.
9. Verify source disk selection then press **Enter**.
10. Press **Y** to start copy.
11. At **Copy Complete** window press **Enter**, **ESC** then **ESC** again.
12. Select **Update Data & Exit**, then press **Enter** to restart.
13. Your RAID configuration is complete. Please proceed to **Software Installation** section.

Rebuilding Failed Mirror Array

1. After replacing the failed hard drive start the computer.

Note: The replacement hard drive must be of equal or larger capacity to the hard drive it's replacing.
2. Start the computer. When prompted by the RAID BIOS, press **F1** to enter the raid bios setup.
3. Select **Build Mirror disk**, press **Enter**.
4. Select the source disk, press **Enter**.

5. At the warning message press **Y** to Build Mirror Disk.
6. After mirror rebuilds, press any key to continue.
7. Press **ESC**, **ESC**, select **Update Data & Exit**, then press **Enter** to restart.

RAID 0+1 (Stripe+Mirror)

RAID 0+1 combines Striping with Mirroring. This RAID array provides fault tolerance and increases disk I/O performance. Four blank hard drives are required for RAID 0+1.

Raid 0+1 (Stripe+Mirror) Setup Mode

Stripe + Mirror: Set-up a Mirrored-Stripe set, this mode requires four blank hard drives.

Raid 0+1 Setup

1. Install the *UltraATA 133 PCI RAID* and attach your hard drives. Follow directions on page 3, **Device Connections**, to connect your hard drives.
2. Start the computer. When prompted by the RAID BIOS, press **F1** to enter the raid bios setup.
3. Select **Set RAID Mode**, press **Enter**.
4. Select **Stripe + Mirror**, then press **Enter**.
5. Select stripe size then press **Enter**.
6. Press **Y** to save your settings.
7. Press **Y** to erase disk. (Recommended)
8. Select disk drive, press **Enter**, press **Y** to erase selected disk.
9. When complete press **Enter** then **ESC** to exit and reboot.
10. Continue with conventional **Fdisk** and **Format** steps as if you are installing a conventional hard drive.
11. Your RAID configuration is complete. Please proceed to **Software Installation** section.

Note: It is recommended that you erase all four hard drives when configuring **Stripe+Mirror**.

Combining RAID Modes

Two setup options in the RAID BIOS allow one Stripe set and one Mirror set to work in tandem. Select the best option for your system.

Combination RAID Setup Modes

Stripe * Mirror: Set up one Stripe set and one Mirror set. Connect the drive pair to separate IDE channels. The two hard drives set up as **master** becomes the stripe set. The two hard drives set up as **slave** become the mirror set. The **stripe set** is bootable.

Mirror * Stripe: Set-up one Mirror set and one Stripe set. Connect the drive pair to separate IDE channels. The two hard drives set up as **master** become the mirror set. The two hard drives set up as **slave** become the stripe set. The **mirror set** is bootable.

Stripe * Mirror Setup

1. Install the *UltraATA 133 PCI RAID* and attach your hard drives. Follow directions on page 3, **Device Connections**, to connect your hard drives.
2. Start the computer. When prompted by the RAID BIOS, press **F1** to enter the raid bios setup.
3. Select **Set RAID Mode**, press **Enter**.
4. Select **Stripe * Mirror**, then press **Enter**.
5. Select stripe size then press **Enter**.
6. Press **Y** to save your settings.
7. Press **Y** to erase disk. (Recommended for RAID 0).
8. Select disk drive, press **Enter**, press **Y** to erase selected disk.
9. When complete press **Enter** then **ESC** to exit and reboot.
10. Continue with conventional **Fdisk** and **Format** steps as if you are installing a conventional hard drive.
11. Your RAID configuration is complete. Please proceed to **Software Installation** section.
Note: Do not erase the hard drive (source) you want mirrored.

Mirror * Stripe Setup

1. Install the *UltraATA 133 PCI RAID* and attach your hard drives. Follow directions on page 3, **Device Connections**, to connect your hard drives.
2. Start the computer. When prompted by the RAID BIOS, press **F1** to enter the raid bios setup.

3. Select **Set RAID Mode**, press **Enter**.
4. Select **Mirror * Stripe**, then press **Enter**.
5. Select stripe size then press **Enter**.
6. Press **Y** to save your settings.
7. Press **Y** to erase disk. (Recommended for RAID 0).
8. Select disk drive, press **Enter**, press **Y** to erase selected disk.
9. When complete press **Enter** then **ESC** to exit and reboot.
10. Continue with conventional **Fdisk** and **Format** steps as if you are installing a conventional hard drive.
11. Your RAID configuration is complete. Please proceed to **Software Installation** section.

Note: Do not erase the hard drive (source) you want mirrored.

Normal Mode (NON-RAID)

The *UltraATA 133 PCI RAID* will act as a conventional controller when not configured for RAID. No BIOS configuration is needed. Please proceed to **Software Installation** section.

Software Installation

This section provides information on how to install the *UltraATA 133 PCI RAID* drivers for the following operating systems:

New & Existing Windows 98/98 SE
New & Existing Windows ME
New & Existing Windows NT 4.0
New & Existing Windows 2000
New & Existing Windows XP

Windows 98/98SE Driver Installation

For New Windows 98/98 SE Systems

1. After the *UltraATA 133 PCI RAID* and attached drives are configured, follow Microsoft procedures to install Windows accordingly.
2. Once Windows has been installed, double click **My Computer/Control Panel/System**, then click **Device Manager**.
3. Double click **Other Devices** then **PCI SCSI Bus Controller**.
4. Click **Driver** tab, then **Update Driver**.
5. Insert the Driver diskette and click **Next**.
6. Select **Search for a better driver than the one ...**option and click **Next**.
7. Check **Specify a location**, uncheck the other boxes, type in **A:\Win9x** and click **Next**. Click **Next** and then **Finish**.
8. Remove the Driver diskette and click **Yes** to restart Windows to complete driver installation.

For Existing Windows 98/98 SE Systems

1. After the *UltraATA 133 PCI RAID* and attached drives are configured, boot up Windows.
2. At the **Add New Hardware Wizard**, click **Next**.
3. Select **Search for the best driver for your device** option and then click **Next**.
4. Insert the Driver diskette, check **Specify a location**, uncheck the other boxes, type in **A:\Win9x**, and click **Next**.
5. Click **Next** and then **Finish** respectively.

6. Remove the Driver diskette and restart Windows to complete driver installation.

Windows ME Driver Installation

For New Windows ME Systems

1. After the *UltraATA 133 PCI RAID* and attached drives are configured, follow Microsoft procedures to install Windows accordingly.
2. Once Windows has been installed, right-click **My Computer**, then click **Properties**. Click **Device Manager** tab.
3. Double click **Other Devices** then **PCI SCSI Bus Controller**.
4. Click **Driver** tab, then **Update Driver**.
5. Insert the Driver diskette, check **Specify the location of the driver (advanced)** and click **Next**.
6. Select **Search for the better driver** option, check **Specify a location**, uncheck **Removable Media**, type in **A:\WinMe**, and click **Next**.
7. Click **Next** and then **Finish**.
8. Remove the Driver diskette and click **Yes** to restart Windows to complete driver installation.

For Existing Windows ME Systems

1. After the *UltraATA 133 PCI RAID* and attached drives are configured, boot up Windows.
2. At the **Add New Hardware Wizard**, check **Specify the location of the driver (advanced)**, and click **Next**.
3. Insert the Driver diskette, check **Specify a location**, uncheck the other boxes, type in **A:\WinMe**, and click **Next**.
4. Click **Next** and then **Finish**.
5. Remove the Driver diskette and restart Windows to complete driver installation.

Verify Proper Installation for Windows 98/98SE/ME

1. Right-click **My Computer**, then click **Properties**. Click **Device Manager** tab.
2. Double click **SCSI Controllers**, two entries, **SIIG CN2496 PCI Ultra ATA 133 RAID Adapter** and **ACARD RAID Processor** should be listed.

3. Highlight **SIIG CN2496 PCI Ultra ATA 133 RAID Adapter** and click **Properties**. A message *This device is working properly* is displayed in the dialog box, the driver has been correctly installed. If any error message is displayed, remove **SIIG CN2496 PCI Ultra ATA 133 RAID Adapter** and restart your system.

Windows NT 4.0 Driver Installation

For New Windows NT 4.0 System

1. After the *UltraATA 133 PCI RAID* and attached drives are configured, follow Microsoft procedures to install Windows accordingly.
2. At the **Windows Set-up** screen, press **F6** to specify and add the driver.
3. Press **S**, select **Other**, then press **Enter**.
4. Insert the Driver diskette and press **Enter**.
5. Select **SIIG CN2496 ATA133 RAID NT Miniport Driver** and press **Enter**.
6. Press **Enter** to continue and follow on-screen instructions to complete Windows NT 4.0 installation.

For Existing Windows NT 4.0 System

1. After the *UltraATA 133 PCI RAID* and attached drives are configured, boot up Windows. Double click **My Computer/Control Panel/SCSI Adapters**, then click the **Drivers** tab.
2. Click **Add...** then **Have Disk...**
3. Insert the Driver diskette into the floppy drive and type in **A:\Winnt**, then click **OK**.
4. Highlight **SIIG CN2496 PCI Ultra ATA 133 RAID Controller** and click **OK**.
5. Remove the Driver diskette and click **Yes** to restart Windows.

Verify Proper Installation for Windows NT 4.0

1. Double click **My Computer/Control Panel/SCSI Adapters**.
2. Highlight **SIIG CN2496 PCI Ultra ATA 133 RAID Controller** and click **Properties**. *This device is working properly* is displayed in the dialog box, the driver has been correctly installed.

Windows 2000 Driver Installation

For New Windows 2000 Systems

1. After the *UltraATA 133 PCI RAID* and attached drives are configured, follow Microsoft procedures to install Windows accordingly.
2. At the **Windows Set-up** screen, press **F6** to specify and add the driver.
3. Insert the Driver diskette. Press **S**, then press **Enter**.
4. Select **SIIG CN2496 ATA 133 RAID Win2000 Miniport Driver** and press **Enter**.
5. Press **Enter** to continue and follow on-screen instructions to complete installation.

For Existing Windows 2000 Systems

1. After the *UltraATA 133 PCI RAID* and attached drives are configured, boot up Windows.
2. At the **Found New Hardware Wizard**, click **Next**.
3. Select **Search for a suitable driver for my device (recommended)** and click **Next**.
4. Insert the Driver diskette into the floppy drive, check **Specify a location**, uncheck the other boxes, click **Next**, type in **A:\Win2000**. Click **OK** and then **Next** to continue.
5. If the **Digital Signature Not Found** message appears, click **Yes**.

Note If prompted for Windows 2000 CD-ROM, insert the CD and click **OK**. Type in **D:\I386**, click **OK** and **Finish**. (assuming **D:** is your CD-ROM drive)

6. Click **Finish**, remove the Driver diskette and click **Yes** to restart Windows to complete driver installation.

Windows XP Driver Installation

For New Windows XP Systems

1. After the *UltraATA 133 PCI RAID* and attached drives are configured, follow Microsoft procedures to install Windows accordingly.
2. At the **Windows Set-up** screen, press **F6** in order to specify and add the driver.

3. Insert the Driver diskette. Press **S** then press **Enter**.
4. Select **SIIG CN2496 ATA 133 RAID WinXP Miniport Driver** and press **Enter**.
5. Press **Enter** to continue and follow on-screen instructions to complete Windows XP installation.

Note: When the **Software Installation** warning pops up, click **Yes**. And when the **Hardware Installation** warning pops up, click **Yes** again.

For Existing Windows XP Systems

1. After the *UltraATA 133 PCI RAID* and attached drives are configured, boot up Windows.
2. At the **Found New Hardware Wizard**, check **Install from a list or specific location(advanced)**, then click **Next**.
3. Insert the Driver diskette. Check **Include this location in the search**, uncheck the other box, type in **A:\winXP**, and click **Next**.
4. When a warning message pops up, click **Continue Anyway**, then click **Finish**.
5. Repeat steps 2-4.
6. Remove the Driver diskette and click **Yes** to restart Windows.

Verify Proper Installation for Windows 2000/XP

1. Double click **My Computer/Control Panel/System**.
2. Click **Hardware** then click **Device Manager**.
3. Double click **SCSI and RAID Controllers**, then double click **SIIG CN2496 ATA 133 RAID Controller** to display driver properties.
4. A message *This device is working properly* is displayed in the dialog box, the driver has been correctly installed.

RAID Monitoring Utility Installation

1. At the Windows desktop, click **Start** then **Run**.
2. Insert the Driver diskette. Type in **A:\utility\setup.exe**, then click **OK**.
3. Follow the onscreen instructions to install the utility.
4. Restart Windows to complete the installation.

Technical Support

QUESTIONS? SIIG's **Online Support** has the answers! Simply visit our web site at **www.siig.com** and click **Support/Drivers**. Our online support database is updated daily with new drivers and solutions. The answers to your problems could be just a few clicks away.

Return Merchandise Authorization (RMA)

SIIG warrants to the original buyer of the product that the hardware is free of defects in materials and workmanship for a period of one, two or five years from the date of purchase. If your product fails to be in good working order during the warranty period, you may return it to SIIG for repair or replacement at SIIG's option.

To return the product, you need to follow these steps.

Step 1: Contact SIIG's RMA Department

To obtain an RMA number, SIIG's RMA Department can be reached by phone at **(510)413-5333** or fax at **(510)657-5962** or email at **service@siig.com**. In order to issue an RMA number, the product serial number is required. This number can be found on the side of the box and on the back of the product.

Step 2: Complete the RMA form

- Fill out your Return Merchandise Authorization (RMA) form, and include it in the package with the product.
- Properly pack the product for shipping. All software, cable(s) and other accessories that came with the original package **must be included**.
- Clearly write your RMA number on the top of the returned package and on the accompanying RMA form.

SIIG will refuse to accept any shipping package, and will not be responsible for a product returned without an RMA number posted on the outside of the shipping carton.

Step 3: Ship the Product

You are responsible for the cost of shipping back to SIIG at the following address:

SIIG, Inc. RMA# _____
6078 Stewart Ave.
Fremont, CA 94538

SIIG will ship the repaired or replaced product via UPS Ground or US Mail at no cost to you.

PRODUCT NAME
UltraATA 133 PCI RAID

MODEL NUMBER
CN2496

FCC RULES: TESTED TO COMPLY WITH FCC PART 15, CLASS B
OPERATING ENVIRONMENT: FOR HOME OR OFFICE USE

FCC COMPLIANCE STATEMENT:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC NOTICE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio and television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and the receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio or TV technician for help

Caution:

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment

**THE PARTY RESPONSIBLE FOR
PRODUCT COMPLIANCE**

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